

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 6, 16, 26, 32, 33, 34 and 35 as follows. Please cancel claims 36 – 38. Please add claims 39 – 46 as follows.

1. (Currently Amended) A method executed on a personal ~~data~~digital assistant for adjusting levels of a viewing parameter for an image screen disposed on the personal digital assistant, wherein the image screen includes pixels having output levels, the method comprising:
- detecting an activation signal for viewing a parameter control in response to user operation of a mechanical button disposed on the personal digital assistant;
- in response to receiving the activation signal, displaying one or more graphical user - interface elements, the one or more graphical user-interface elements forming at least a portion of the parameter control on the image screen, the one or more graphical user -interface elements including a bar and a slider;
- detecting an interaction between a user and the one or more graphical user-interface elements, the interaction corresponding to an adjustment of the viewing parameter from a prior value to a new value;
- in response to detecting the interaction, adjusting the value of the viewing parameter for the image screen to the new value, wherein adjusting includes adjusting image screen drive voltages to adjusted voltages based on the new value, the pixels being receptive to the image screen drive voltages so that the pixel output levels respond to the adjusted voltages by providing an adjusted image having an adjusted contrast or brightness;

wherein detecting an interaction between a user and the one or more graphical user-
 interface elements includes detecting continuous contact on the image screen of a
 user-controlled object over the slider along the bar displayed on the image screen,
 from a first location corresponding to the prior value to a second location
 corresponding to the new value;
 wherein said personal ~~data~~digital assistant executes an operating system; and
 wherein a process, running on said personal ~~data~~digital assistant and executing under
 control of said operating system, causes the displaying of said graphical user-
 interface elements.

2. - 5. (Canceled)

6. (Currently Amended) The method of claim 1, wherein the image screen includes portions
 adapted for illumination by groups of pixels including a first portion configured for
 illumination by a first group of pixels, and wherein the adjusting includes:
 maintaining the image screen drive voltages at low levels for one or more of the groups
 of pixels, and
 adjusting the image screen drive voltages to adjusted voltages corresponding to the new
~~values~~value for the first group of pixels, the first portion covering less than
 approximately twenty-percent of the image screen, and wherein the method
 includes the personal ~~data~~digital assistant displaying selected information only on
 the first portion.

7. - 15. (Canceled)

1 16. (Currently Amended) A personal digital assistant comprising:
 2 an image screen comprising pixels, wherein the image screen is adapted to display items
 3 of information at levels corresponding to values of a viewing parameter, the
 4 values of the viewing parameter vary in response to image screen drive voltages,
 5 and different groups of the pixels have different image screen drive voltages;
 6 a mechanical button that is disposed on the personal ~~data~~digital assistant and that is
 7 actuatable to initiate adjustment of viewing parameter values;
 8 a processor;~~and~~
 9 a memory coupled with the processor;
 10 the processor being configured to:
 11 execute an operating system;
 12 run a process under control of said operating system;
 13 respond to user operation of the mechanical button by displaying graphical user -
 14 interface elements adapted for adjusting the viewing parameter values, the
 15 graphical user -interface elements including a slider that can move along a
 16 bar;
 17 wherein said process causes the display of the graphical user -interface elements;
 18 detect a continuous physical contact applied to the image screen starting at a first
 19 location where the slider is approximately displayed, and ending at a
 20 second location that indicates a change in the values of the viewing
 21 parameter;
 22 graphically move the slider along the bar from the first location to approximately
 23 the second location in response to detecting the continuous physical
 24 contact;

25 respond to the continuous contact by adjusting the values of the viewing
26 parameter based on the change.

1 17. - 25. (Canceled)

1 26. (Currently Amended) The personal ~~data~~digital assistant of claim 16, wherein the more
2 than approximately eighty percent of the pixels have a value of the viewing parameter
3 corresponding to a first image screen drive voltage.

1 27. - 28. (Canceled)

1 29. (Previously Presented) The method of claim 1, wherein
2 in response to receiving the activation signal, displaying one or more graphical user -
3 interface elements includes displaying an icon, and
4 detecting an interaction between a user and the one or more graphical user-interface
5 elements includes detecting the user contacting the icon after moving the slider to
6 the second position; and
7 wherein the method further comprises accepting the new value of the viewing parameter
8 for adjusting image screen drive voltages only if the user contacts the icon.

1 30. (Previously Presented) The method of claim 1, wherein
2 detecting an interaction between a user and the one or more graphical user-interface
3 elements includes detecting the user contacting the bar either to a left side or right
4 side of the slider, wherein contact to one of the left side or right side corresponds

to the new value being less than the prior value, and contact to the other of the left side or right side corresponds to the new value being greater than the prior value.

31. (Canceled)

32. (Currently Amended) A method executed on a personal ~~data~~digital assistant for adjusting levels of a viewing parameter for an image screen disposed on the personal ~~data~~digital assistant, wherein the image screen includes pixels having output levels, the method comprising:

maintaining the personal ~~data~~digital assistant in a low power state until any one of a

plurality of mechanical input mechanisms is actuated by user operation of said

any one of the plurality of mechanical input mechanisms;

detecting a first input mechanism in the plurality of mechanical input mechanisms being

actuated, the first input mechanism being previously associated with displaying

one or more graphical user-interface elements;

in response to detecting the first input mechanism being actuated, then automatically

performing steps (a)-(c):

(a) switching the ~~computer~~personal digital assistant to an higher power state,

(b) displaying on at least a portion of the image screen a content from a previous

use of an application on the personal ~~data~~digital assistant, and

(c) displaying one or more graphical user-interface elements for adjusting a value

of a viewing parameter, the one or more graphical user-interface elements

including a slider and a bar;

19 detecting continuous contact on the image screen corresponding to where the slider is
 20 being displayed, the continuous contact extending between a first location of the
 21 slider on the bar and a second location of the slider on the bar, the second location
 22 of the contact determining a new value for the viewing parameter;
 23 adjusting the value of the viewing parameter for the image screen to the new value by
 24 adjusting drive voltages of the image screen to correspond to the new value for
 25 the viewing parameter, the pixels being receptive to the image screen drive
 26 voltages so that the pixel output levels respond to the adjusted voltages by
 27 providing an adjusted image;
 28 wherein said personal ~~data~~digital assistant executes an operating system; and
 29 wherein a process, running on said personal ~~data~~digital assistant and executing under
 30 control of said operating system, causes the displaying of said graphical user-
 31 interface elements.

1 33. (Currently Amended) The method of claim 32, wherein displaying one or more graphical
 2 user-interface elements for adjusting a value of a viewing parameter includes enabling the
 3 slider to be moved to a plurality of positions, including the first ~~position~~location and the
 4 second ~~position~~location.

1 34. (Currently Amended) The method of claim 32, wherein displaying on at least a portion of
 2 the image screen a content from a previous use of an application on the personal
 3 ~~data~~digital assistant includes displaying a most recently displayed content of the
 4 application prior to the personal ~~data~~digital assistant being maintained in the low power
 5 state.

35. (Currently Amended) The method of claim 32, wherein displaying a most recently displayed content of the application prior to the personal ~~data~~digital assistant being in the low power state includes displaying a most recently displayed content prior to the personal ~~data~~digital assistant being maintained in the low power state.

36 - 38. (Canceled)

39. (New) A computer-readable medium carrying one or more sequences of instructions for adjusting levels of a viewing parameter for an image screen disposed on a personal digital assistant, wherein the image screen includes pixels having output levels, wherein execution of the one or more sequences of instructions by one or more processors of the personal digital assistant causes the one or more processors to perform the steps of: detecting an activation signal for viewing a parameter control in response to user operation of a mechanical button disposed on the personal digital assistant; in response to receiving the activation signal, displaying one or more graphical user-interface elements, the one or more graphical user-interface elements forming at least a portion of the parameter control on the image screen, the one or more graphical user-interface elements including a bar and a slider; detecting an interaction between a user and the one or more graphical user-interface elements, the interaction corresponding to an adjustment of the viewing parameter from a prior value to a new value; in response to detecting the interaction, adjusting the value of the viewing parameter for the image screen to the new value, wherein adjusting includes adjusting image screen drive voltages to adjusted voltages based on the new value, the pixels

18 being receptive to the image screen drive voltages so that the pixel output levels
 19 respond to the adjusted voltages by providing an adjusted image having an
 20 adjusted contrast or brightness;
 21 wherein detecting an interaction between a user and the one or more graphical user-
 22 interface elements includes detecting continuous contact on the image screen of a
 23 user-controlled object over the slider along the bar displayed on the image screen,
 24 from a first location corresponding to the prior value to a second location
 25 corresponding to the new value;
 26 wherein said personal digital assistant executes an operating system; and
 27 wherein a process, running on said personal digital assistant and executing under control of said
 28 operating system, causes the displaying of said graphical user-interface elements.

1 40. (New) The computer-readable medium of claim 39,
 2 wherein the image screen includes portions adapted for illumination by groups of pixels
 3 including a first portion configured for illumination by a first group of pixels;
 4 wherein the adjusting includes:
 5 maintaining the image screen drive voltages at low levels for one or more of the
 6 groups of pixels, and
 7 adjusting the image screen drive voltages to adjusted voltages corresponding to
 8 the new value for the first group of pixels, the first portion covering less
 9 than approximately twenty-percent of the image screen; and
 10 wherein the one or more sequences of instructions include further one or more
 11 instructions for the personal digital assistant displaying selected information only
 12 on the first portion.

1 41. (New) The computer-readable medium of claim 39, wherein
 2 in response to receiving the activation signal, displaying one or more graphical user-
 3 interface elements includes displaying an icon, and
 4 detecting an interaction between a user and the one or more graphical user-interface
 5 elements includes detecting the user contacting the icon after moving the slider to
 6 the second position; and
 7 wherein the one or more sequences of instructions includes one or more sequences of
 8 instructions for accepting the new value of the viewing parameter for adjusting
 9 image screen drive voltages only if the user contacts the icon.

1 42. (New) The computer-readable medium of claim 39, wherein detecting an interaction
 2 between a user and the one or more graphical user-interface elements includes detecting
 3 the user contacting the bar either to a left side or right side of the slider, wherein contact
 4 to one of the left side or right side corresponds to the new value being less than the prior
 5 value, and contact to the other of the left side or right side corresponds to the new value
 6 being greater than the prior value.

1 43. (New) A computer-readable medium carrying one or more sequences of instructions for
 2 adjusting levels of a viewing parameter for an image screen disposed on a personal digital
 3 assistant, wherein the image screen includes pixels having output levels, wherein
 4 execution of the one or more sequences of instructions by one or more processors of the
 5 personal digital assistant causes the one or more processors to perform the steps of:

6 maintaining the personal digital assistant in a low power state until any one of a plurality
7 of mechanical input mechanisms is actuated by user operation of said any one of
8 the plurality of mechanical input mechanisms;
9 detecting a first input mechanism in the plurality of mechanical input mechanisms being
10 actuated, the first input mechanism being previously associated with displaying
11 one or more graphical user-interface elements;
12 in response to detecting the first input mechanism being actuated, then automatically
13 performing steps (a)-(c):
14 (a) switching the personal digital assistant to an higher power state,
15 (b) displaying on at least a portion of the image screen a content from a previous
16 use of an application on the personal digital assistant, and
17 (c) displaying one or more graphical user-interface elements for adjusting a value
18 of a viewing parameter, the one or more graphical user-interface elements
19 including a slider and a bar;
20 detecting continuous contact on the image screen corresponding to where the slider is
21 being displayed, the continuous contact extending between a first location of the
22 slider on the bar and a second location of the slider on the bar, the second location
23 of the contact determining a new value for the viewing parameter;
24 adjusting the value of the viewing parameter for the image screen to the new value by
25 adjusting drive voltages of the image screen to correspond to the new value for
26 the viewing parameter, the pixels being receptive to the image screen drive
27 voltages so that the pixel output levels respond to the adjusted voltages by
28 providing an adjusted image;
29 wherein said personal digital assistant executes an operating system; and

30 wherein a process, running on said personal digital assistant and executing under control
 31 of said operating system, causes the displaying of said graphical user-interface
 32 elements.

1 44. (New) The computer-readable medium of claim 43, wherein displaying one or more
 2 graphical user-interface elements for adjusting a value of a viewing parameter includes
 3 enabling the slider to be moved to a plurality of positions, including the first location and
 4 the second location.

1 45. (New) The computer-readable medium of claim 43, wherein displaying on at least a
 2 portion of the image screen a content from a previous use of an application on the
 3 personal digital assistant includes displaying a most recently displayed content of the
 4 application prior to the personal digital assistant being maintained in the low power state.

1 46. (New) The computer-readable medium of claim 43, wherein displaying a most recently
 2 displayed content of the application prior to the personal digital assistant being in the low
 3 power state includes displaying a most recently displayed content prior to the personal
 4 digital assistant being maintained in the low power state.